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(54) Title: **PREPARATION OF RECOMBINANT ROTAVIRUS PROTEINS IN MILK OF TRANSGENIC NON HUMAN MAMMALS**

(57) Abstract: The present invention relates to a non-human transgenic mammal whose genome comprises : i) a first transgene comprising a mammary gland specific transcriptional control region operably linked to cDNA encoding a rotavirus protein selected from VP2, VP4, VP6 and VP7 and wherein said cDNA comprises a secretion signal sequence; ii) at least a second transgene comprising a mammary gland specific transcriptional control region operably linked to cDNA encoding another said rotavirus protein and wherein said cDNA comprises a secretion signal sequence; and wherein said rotavirus proteins are secreted separately and auto-assembled in milk in rotavirus like particles (VLP) or aggregates of said rotavirus proteins.

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